

LIQUID GLASS CLEANER (ALCOHOL/SOLVENT/SILICONE/AMMONIA)

Raw Materials	Percent by Weight
1. Isopropyl Alcohol (Anhydrous)	5.00
2. Butyl Cellosolve Glycol Ether or Propasol Solvent P Glycol Ether or Propasol Solvent B Glycol Ether	3.00
3. Ucar Silicone Emulsion AS	0.25
4. Ammonium Hydroxide (28%)	0.25
5. Water	91.50
	100.00

**Formulation Notes**

- For aerosol packaging, use 95 parts of the above formulation, and pressurize with 5 percent by weight of isobutane propellant.
- Add dye and/or perfume, as required.

**Key Property**

Imparts ease of wipe off characteristics to the glass cleaner

**Source:** Union Carbide Corp., Chemicals and Plastics, 270 Park Ave., New York, NY 10017. *Technical Bulletin: Glycol Ethers for Household and Institutional Products: Formula Ucar Silicone Emulsion AS.*

LIQUID GLASS CLEANER (ALCOHOL/SOLVENT/SURFACTANT)

Raw Materials	Percent by Weight
1. Isopropyl Alcohol (Anhydrous)	5.00
2. Butyl Cellosolve Glycol Ether or Propasol Solvent P Glycol Ether or Propasol Solvent B Glycol Ether	3.00
3. Ucar Silicone Surfactant L-7001 or Ucar Silicone Surfactant L-7604	1.00
4. Ammonium Hydroxide (28%)	0.25
5. Water	90.75
	100.00

**Formulation Notes**

- For aerosol packaging, use 95 parts of the above formulation, and pressurize with 5 percent by weight of isobutane propellant.
- Add dye and/or perfume, as required.

**Key Property**

Good wetting, ease of wipe off and antifog characteristics

**Source:** Union Carbide Corp., Chemicals and Plastics, 270 Park Ave., New York, NY 10017. *Technical Bulletin: Glycol Ethers for Household and Institutional Products: Formula Ucar Silicone Antifog.*

LIQUID GLASS CLEANER (ALCOHOL/SOLVENT/SURFACTANT)

Raw Materials	Percent by Weight
1. Isopropyl Alcohol (Anhydrous)	5.00
2. Butyl Cellosolve Glycol Ether or Propasol Solvent P Glycol Ether or Propasol Solvent B Glycol Ether	3.00
3. Tergitol 15-S-7 Surfactant or Tergitol 15-S-9 Surfactant	0.05
4. Water	91.95
	100.00

**Formulation Notes**

- For aerosol packaging, use 95 parts of the above formulation, and pressurize with 5 percent by weight of isobutane propellant.
- Add dye and/or perfume, as required.

**Source:** Union Carbide Corp., Chemicals and Plastics, 270 Park Ave., New York, NY 10017. *Technical Bulletin: Glycol Ethers for Household and Institutional Products: Formula No. 50.*

LIQUID GLASS CLEANER (ALCOHOL/SOLVENT/SURFACTANT)

Raw Materials	Percent by Weight
1. Miranol JEM Conc. Surface Active Agent	0.3
2. Isopropyl Alcohol	8.0
3. Dowanol EB Solvent	1.0
4. Water	90.7
	100.0

**Source:** Miranol Chemical Co., Inc., P.O. Box 411, 68 Culver Road, South Brunswick (Dayton), NJ 08810. *Technical and Product Development Data: Amphoteric Imidazoline Derivatives.*